

OPTICAL RECORDING MEDIUM AND ITS MANUFACTURING METHOD

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Abstract of JP2002251792

PROBLEM TO BE SOLVED: To provide an optical recording medium having satisfactory recording characteristics without a defect due to degradation of mechanical characteristics, peeling of a film, etc., and an initializing method as its manufacturing method.

SOLUTION: The manufacturing method characterized by laminating a lower dielectric protection layer, a phase change recording layer, an upper dielectric protection layer, a second upper protection layer and an Ag reflection heat dissipation layer on a first transparent substrate in this order, further rotating the optical recording medium formed by pasting a second transparent substrate by an organic adhesive agent at fixed line speed equal to or less than the highest recording line speed and initializing the optical recording medium by generating phase change of the phase change recording layer from an amorphous phase to a crystal phase while transferring a laser light with power density of 5.0 to 15.0 mW/ μm^2 in the radius direction at prescribed speed and the optical recording medium to be obtained by the manufacturing method are provided.

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